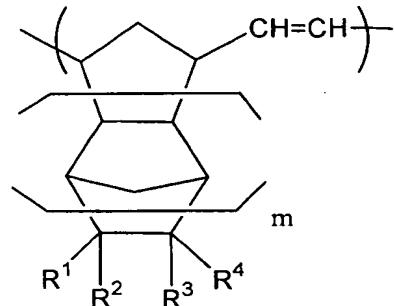


ABSTRACT

A norbornene ring-opened polymer which in the molecule has repeating units represented by the formula (1):

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(1)

wherein R¹ represents Q, R² represents Q or C(=O)R⁵, R³ represents Q or C(=O)R⁶, and R⁴ represents Q or X-C(=O)R⁷ (wherein Q represents hydrogen, a C₁₋₁₀ hydrocarbon group, etc. .; R⁵, R⁶ and R⁷ each represents hydroxyl, C₁₋₁₀ alkoxy, etc., provided that R⁶ and R⁷ may be bonded to each other to constitute oxygen, NH, etc.; X represents methylene, etc., provided that when R² is Q, then R³ is C(=O)R⁶ and R⁴ is X-C(=O)R⁷ and that when R⁴ is Q, then R² is C(=O)R⁵, R³ is C(=O)R⁶, and the configuration of R² and R³ is trans, and m is 0 or 1), the polymer having a weight-average molecular weight as determined by gel permeation chromatography of 1,000 to 1,000,000. Also provided is a hydrogenation product of the norbornene ring-opened polymer. The norbornene ring-opened polymer and the hydrogenation product are excellent in heat resistance, electrical properties, etc.